

### LISTING OF CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Previously Presented) A wireless mobile phone comprising:  
a body casing having a plurality of surfaces;  
an input keypad disposed on said a first surface of said body casing to facilitate entry of alphanumeric data;  
at least a first button disposed on a second surface of said body casing; and  
complementary logic in support of the at least first button to facilitate entry of alphanumeric data or phrases having one or more words, in encoded representations of a variable length encoding scheme using said at least first button, the variable length encoding scheme having a plurality of codes of various code lengths including a first and a second code having a first and a second code length representing a phrase and a vowel respectively, and the first code length being shorter than the second code length.
2. (Previously Presented) The wireless mobile phone of claim 1, wherein said mobile phone further comprises a display, and said complementary logic further echoes on said display alphanumeric data or phrases represented by encoded representations representing said alphanumeric data and encoded representations directly representing said phases entered using said at least first button.
3. (Previously Presented) The wireless mobile phone of claim 1, wherein each of said at least first button is optically associated with a light source, and said complementary logic further cause said light source associated with said at least first button to be energized to light said first

button to visually echo the encoded representations of said variable length encoding scheme of letters, numbers or punctuations entered through said input keypad.

4. (Previously Presented) The wireless mobile phone of claim 1, wherein said mobile phone further comprises a transceiver to send and receive signals, and an adapter interface to removably attach a device capable of vibrating to said mobile phone, and to vibrationally output alphanumeric data or phrases received through said transceiver, for touch comprehension, using said removably attached capable of vibrating device.

5. (Previously Presented) The wireless mobile phone of claim 4, wherein said alphanumeric data or phrases are vibrationally outputted through vibrational manifestation of encoded representations of the encoding scheme.

6-8 (Cancelled)

9. (Previously Presented) The wireless mobile phone of claim 1, wherein said complementary logic further support user specification of said phrases of one or more words in length.

10. (Cancelled)

11. (Previously Presented) The wireless mobile phone of claim 1, wherein said encoded representations comprise a code representing a punctuation selected from a group of punctuations consisting of a colon, a semi-colon, a left parenthesis, a right parenthesis, and an exclamation.

12. (Previously Presented) The wireless mobile phone of claim 11, wherein said code representing the selected punctuation is one of

Selected Punctuation	Code
/ (slash)	<i>dahditdahditdah</i>
, (comma)	<i>dahdahditditdah</i>
. (period)	<i>dahdahdahditdah</i>
? (question mark)	<i>ditdahditdah</i>
: (colon)	<i>ditdahdahditdah</i>
; (semicolon)	<i>ditdahditditdah</i>
! (exclamation)	<i>ditdahditdahdit</i>
( (left parenthesis)	<i>ditditdahditdit</i>
) (right parenthesis)	<i>dahdahditdahdah</i>
space	<i>ditditditdit</i>
' (single quote)	<i>dahditdahdahdah</i>
" (double quote)	<i>ditdahditdahdah</i>
- (hyphen)	<i>ditdahdahdahdit</i>
+ (plus sign)	<i>dahditditditdah</i>
= (equal sign)	<i>ditditdahdahdit</i>

13. (Previously Presented) The wireless mobile phone of claim 1, wherein said encoded representations comprise a code representing a letter selected from a group of letters consisting of

Letters	Custom Codes
---------	--------------

E	<i>ditdit</i>
G	<i>dahdahdahdit</i>
H	<i>dahditdah</i>
I	<i>ditdahdah</i>
K	<i>ditdahditdit</i>
L	<i>dahdahdit</i>
M	<i>dahdahdahdah</i>
T	<i>dahdah</i>
W	<i>ditditdahdah</i>

14. (Original) The wireless mobile phone of claim 1, wherein said complementary logic further maps each of said entered variable length encode representations to a corresponding code of a fixed length binary representation scheme for representing alphanumeric data.

15. (Previously Presented) The wireless mobile phone of claim 1, wherein said wireless mobile phone further comprises at least an additional second button for use in conjunction with the first button to enter direct encoded representations for phrases of one or more words.

16-17 (Cancelled)

18. (Original) The wireless mobile phone of claim 1, wherein said first and second surfaces are different surfaces of the body casing.

19. (Original) The wireless mobile phone of claim 18, wherein said first surface is a front surface of the body casing, and said second surface is a second surface of the body casing.

20. (Original) The wireless mobile phone of claim 1, wherein said first and second surfaces are the same surface of the body casing.

21. (Previously Presented) A wireless mobile phone comprising:  
a transceiver to send and receive signals;  
an adapter interface to removably attach a device capable of vibrating to said mobile phone; and  
complementary logic in support of said transceiver and said adapter interface to vibrationally output alphanumeric data received via said transceiver through vibrational manifestation of encoded representations of the received alphanumeric data for touch comprehension, using the removably attached capable of vibrating device.

22. (Previously Presented) The wireless mobile phone of claim 21, wherein said mobile phone further comprises a display; and said complementary logic further supports echoing on said display said alphanumeric data received through said transceiver.

23. (Original) The wireless mobile phone of claim 21, wherein said encoded representations are Morse codes.

24. (Previously Presented) The wireless mobile phone of claim 21, wherein said encoded representations are encoded representations of a custom variable length encoding scheme having a plurality of codes of various code lengths.

25. (Previously Presented) The wireless mobile phone of claim 24, wherein a first of the codes having a first code length represents a phrase of one or more words in length, and a second

of the codes having a second code length representing a vowel, the first code length being shorter than the second code length.

26. (Original) The wireless mobile phone of claim 25, wherein said phrase of one or more words in length is user specifiable.

27. (Original) The wireless mobile phone of claim 24, wherein said encoded representations comprise a code representing a punctuation selected from a group of punctuations consisting of a colon, a semi-colon, a left parenthesis, a right parenthesis, and an exclamation.

28. (Previously Presented) The wireless mobile phone of claim 27, wherein said code representing the selected punctuation is a selected one of

Selected Punctuation	Code
/ (slash)	<i>dahditdahditdah</i>
, (comma)	<i>dahdahditditdah</i>
. (period)	<i>dahdahdahditdah</i>
? (question mark)	<i>ditdahditdah</i>
: (colon)	<i>ditdahdahditdah</i>
; (semicolon)	<i>ditdahditditdah</i>
! (exclamation)	<i>ditdahditdahdit</i>
( (left parenthesis)	<i>ditditdahditdit</i>
) (right parenthesis)	<i>dahdahditdahdah</i>
space	<i>ditditditdit</i>
' (single quote)	<i>dahditdahdahdah</i>

“ (double quote)	<i>ditdahditdahdah</i>
- (hyphen)	<i>ditdahdahdahdit</i>
+ (plus sign)	<i>dahditditditdah</i>
= (equal sign)	<i>ditditdahdahdit</i>

29. (Original) The wireless mobile phone of claim 24, wherein said encoded representations comprise a code representing a letter selected from a group of letters consisting of

Letters	Custom Codes
E	<i>ditdit</i>
G	<i>dahdahdahdit</i>
H	<i>dahditdah</i>
I	<i>ditdahdah</i>
K	<i>ditdahditdit</i>
L	<i>dahdahdit</i>
M	<i>dahdahdahdah</i>
T	<i>dahdah</i>
W	<i>ditditdahdah</i>

30. (Original) The wireless mobile phone of claim 21, wherein said alphanumeric data are received in fixed length binary representations of a fixed length character encoding scheme, and said complementary logic maps each of the received fixed length binary representations to a corresponding encoded representation of the variable length encoding scheme.

31. (Previously Presented) A wireless mobile phone comprising:

a body casing having a plurality of surfaces;  
an input keypad disposed on said a first of said surfaces having a plurality alphanumeric keys;  
a light source;  
at least a first button disposed on a second of said surfaces of said body casing, optically associated with the light source; and  
complementary logic in support of  
    entry of alphanumeric data through the input keypad,  
    entry of alphanumeric data through entry of encoded representation of the alphanumeric data using the at least first button, and  
    energizing said light source to light said at least first button to visually echo encoded representations of alphanumeric data entered through said input keypad.

32. (Original) The wireless mobile phone of claim 31, wherein said encoded representations are Morse codes.

33. (Previously Presented) The wireless mobile phone of claim 31, wherein said encoded representations are encoded representations of a custom variable length encoding scheme having a plurality of codes of various code lengths.

34. (Previously Presented) The wireless mobile phone of claim 33, wherein a first of the codes having a first code length represents a phrase of one or more words in length, and a second of the codes having a second code length representing a vowel, the first code length being shorter than the second code length.



35. (Previously Presented) The wireless mobile phone of claim 34, wherein said complementary logic further supports user specification of said phrases of one or more words in length.

36. (Original) The wireless mobile phone of claim 33, wherein said encoded representations comprise a code representing a punctuation selected from a group of punctuations consisting of a colon, a semi-colon, a left parenthesis, a right parenthesis, and an exclamation.

37. (Previously Presented) The wireless mobile phone of claim 36, wherein said code representing the selected punctuation is a selected one of

Selected Punctuation	Code
/ (slash)	<i>dahditdahditdah</i>
, (comma)	<i>dahdahditditdah</i>
. (period)	<i>dahdahdahditdah</i>
? (question mark)	<i>ditdahditdah</i>
: (colon)	<i>ditdahdahditdah</i>
; (semicolon)	<i>ditdahditditdah</i>
! (exclamation)	<i>ditdahditdahdit</i>
( (left parenthesis)	<i>ditditdahditdit</i>
) (right parenthesis)	<i>dahdahditdahdah</i>
space	<i>ditditditdit</i>
' (single quote)	<i>dahditdahdahdah</i>
" (double quote)	<i>ditdahditdahdah</i>
- (hyphen)	<i>ditdahdahdahdit</i>

+ (plus sign)	<i>dahditditditdah</i>
= (equal sign)	<i>ditditdahdahdit</i>

38. (Original) The wireless mobile phone of claim 33, wherein said encoded representations comprise a code representing a letter selected from a group of letters consisting of

Letters	Custom Codes
E	<i>ditdit</i>
G	<i>dahdahdahdit</i>
H	<i>dahditdah</i>
I	<i>ditdahdah</i>
K	<i>ditdahditdit</i>
L	<i>dahdahdit</i>
M	<i>dahdahdahdah</i>
T	<i>dahdah</i>
W	<i>ditditdahdah</i>

39. (Original) The wireless mobile phone of claim 31, wherein said alphanumeric data are entered in fixed length binary representations of a fixed length character encoding scheme, and said complementary logic maps each of the entered fixed length binary representations to a corresponding encoded representation of the variable length encoding scheme.

40. (Previously Presented) The wireless mobile phone of claim 31, wherein said first and second surfaces are different surfaces of said body casing, and said light source comprises one or more light emitting diodes (LED) proximally disposed with the first button.

41-46 (Cancelled)

47. (Previously Presented) In a wireless mobile phone, a method comprising:

receiving encoded representations of a variable length encoding scheme of alphanumeric data and phrases entered using at least a first button disposed on a top or side surface of the mobile phone, said variable length encoding scheme comprising a plurality of codes of various code lengths including a first and a second code having a first and a second code length representing a phrase of one or more words, and a vowel, with the first code length being shorter than the second code length, and said mobile phone also having an input keypad disposed on a front surface to facilitate entry of alphanumeric data; and

in response, electrically generating signals corresponding to fixed length digital representations of said alphanumeric data or phrases entered through entry of their variable length encoded representations of said variable length encoding scheme using said at least a first button.

48. (Previously Presented) The method of claim 47, wherein said method further comprises visually echoing on a display of said mobile phone said alphanumeric data or phrases entered through entry of their variable length encoded representations of said variable length encoding scheme using said at least a first button.

49. (Previously Presented) The method of claim 47, wherein each of said at least a first button is optically associated with a light source, and said method further comprises energizing said light source associated with said at least a first button to light said first button to visually echo the variable length encoded representations of said variable length encoding scheme of letters, numbers and punctuations entered through said input keypad.

50. (Previously Presented) The method of claim 47, wherein said mobile phone further comprises an adapter interface to removably attach a capable of vibrating device to said mobile phone, and said method further comprises vibrationally outputting the variable length encoded representations of the alphanumeric data received through a transceiver of said mobile phone for touch comprehension, using said removably attached capable of vibrating device.

51. (Previously Presented) A method of communication comprising:

employing a wireless mobile phone to place a call to a callee and communicate verbally with the callee using the wireless mobile phone; and

at selected moments of desired increased privacy during the call, communicate non-verbally with the callee, entering text messages to be transmitted to the callee in an encoded representation form in accordance with a variable length encoding scheme, using at least a first button disposed on a top or side surface of the wireless mobile phone, and sending the entered text messages to the callee, said variable length encoding scheme comprising a plurality of codes of various code lengths including a first and a second code having a first and a second code length representing a phrase of one or more words, and a vowel, with the first code length being shorter than the second code length.

52. (Original) The method of claim 51, wherein the method further comprises mapping the variable length encoded representations of the text messages into corresponding conventional fixed length digital character set representations, in accordance with the variable length encoding scheme.

53-55 (Cancelled)

56. (Previously Presented) A wireless mobile phone comprising:

- a transceiver to send and receive signals;
- a body casing having a front surface and a side surface;
- an input keypad disposed on said front surface of said body casing to facilitate entry of alphanumeric data;
- a first button disposed on said side surface of said body casing;
- a second button disposed on said side surface of said body casing adjacent to said first button; and

means coupled to the first and second buttons and to the transceiver to facilitate entry of alphanumeric data or phrase with one or more words via corresponding code representations of a variable length coding scheme, using said first and second buttons, and transmission of said alphanumeric data using said transceiver, the variable length coding scheme including a first and a second code representation having a first and a second code length representing a phrase and a vowel, respectively, and the first code length being shorter than the second length.

57. (Previously Presented) The wireless mobile phone of claim 56, wherein said mobile phone further comprises a display, and said means further echoes on said display alphanumeric data represented by code representations entered using said first and second buttons.

58. (Previously Presented) The wireless mobile phone of claim 56, wherein said mobile phone further comprises an adapter interface to removably attach a device capable of vibrating to said mobile phone, and to vibrationally output alphanumeric data received through said transceiver for touch comprehension, using said removably attached capable of vibrating device.

59. (Previously Presented) The wireless mobile phone of claim 58, wherein said alphanumeric data are vibrationally outputted through vibrational manifestation of the code representations of the alphanumeric data.

60. (Previously Presented) A wireless mobile phone comprising:

- a transceiver to send and receive signals;
- an adapter interface to removably attach a device capable of vibrating to said mobile phone; and
- means coupled to said transceiver and said adapter interface to vibrationally output alphanumeric data received via said transceiver through vibrational manifestation of code representations of the received alphanumeric data for touch comprehension, using the removably attached capable of vibrating device.

61. (Previously Presented) The wireless mobile phone of claim 60, wherein said mobile phone further comprises a display; and said means are further coupled to said display and echo on said display said alphanumeric data received through said transceiver.

62. (Previously Presented) A wireless mobile phone comprising:

- a transceiver to send and receive signals;
- a body casing having a top surface and a side surface;
- a first button disposed on either said top surface or said side surface of said body casing;
- a second button disposed on the same top/side surface of said body casing adjacent to said first button; and
- means coupled to the first and second buttons and to the transceiver to facilitate entry of alphanumeric data or phrases having one or more words in code representations of a variable length coding scheme, using said first and second buttons, and transmission of said alphanumeric

data using said transceiver, the variable length coding scheme including a first and a second code representation having a first and a second code length representing a phrase and a vowel, respectively, and the first code length being shorter than the second length.

63. (Previously Presented) A wireless mobile phone comprising:

- a transceiver to send and receive signals;
- a body casing having a top surface and a side surface;
- a first button disposed on either said top surface or said side surface of said body casing;
- a second button disposed on the same top/side surface of said body casing adjacent to said first button; and

a micro-controller and associated memory, including programming instructions stored in said memory, coupled to the first and second buttons and to the transceiver to facilitate entry of alphanumeric data or phrases having one or more words in code representations of a variable length coding scheme, using said first and second buttons, and transmission of said alphanumeric data using said transceiver, the variable length coding scheme including a first and a second code representation having a first and a second code length representing a phrase and a vowel, respectively, and the first code length being shorter than the second length.

64. (Previously Presented) In a wireless mobile phone, a method comprising:

receiving code representations of alphanumeric data or phrases having one or more words entered using a first and a second button disposed on a top or side surface of the mobile phone, said mobile phone also having an input keypad disposed on a front surface to facilitate entry of alphanumeric data, the variable length coding scheme including a first and a second code representation having a first and a second code length representing a phrase and a vowel, respectively, and the first code length being shorter than the second length; and

in response, electrically generating signals corresponding to digital representations of said alphanumeric data or phrases entered through entry of their code representations using said first and second buttons, and transmitting said alphanumeric data by electro-magnetically transmitting said generated signals.

65. (Previously Presented) The method of claim 64, wherein said method further comprises visually echoing on a display of said mobile phone said alphanumeric data entered through entry of their code representations using said first and second buttons.

66. (Previously Presented) The method of claim 64, wherein said mobile phone further comprises an adapter interface to removably attach a capable of vibrating device to said mobile phone, and said method further comprises vibrationally outputting alphanumeric data received through a transceiver of said mobile phone for touch comprehension, using said removably attached capable of vibrating device.

67-69 (Cancelled)